



OpenEdge and Aurea Sonic 2013

*Progress Exchange
October 6-9, 2013*

*Hub Vandervoort
CTO, Aurea Software*

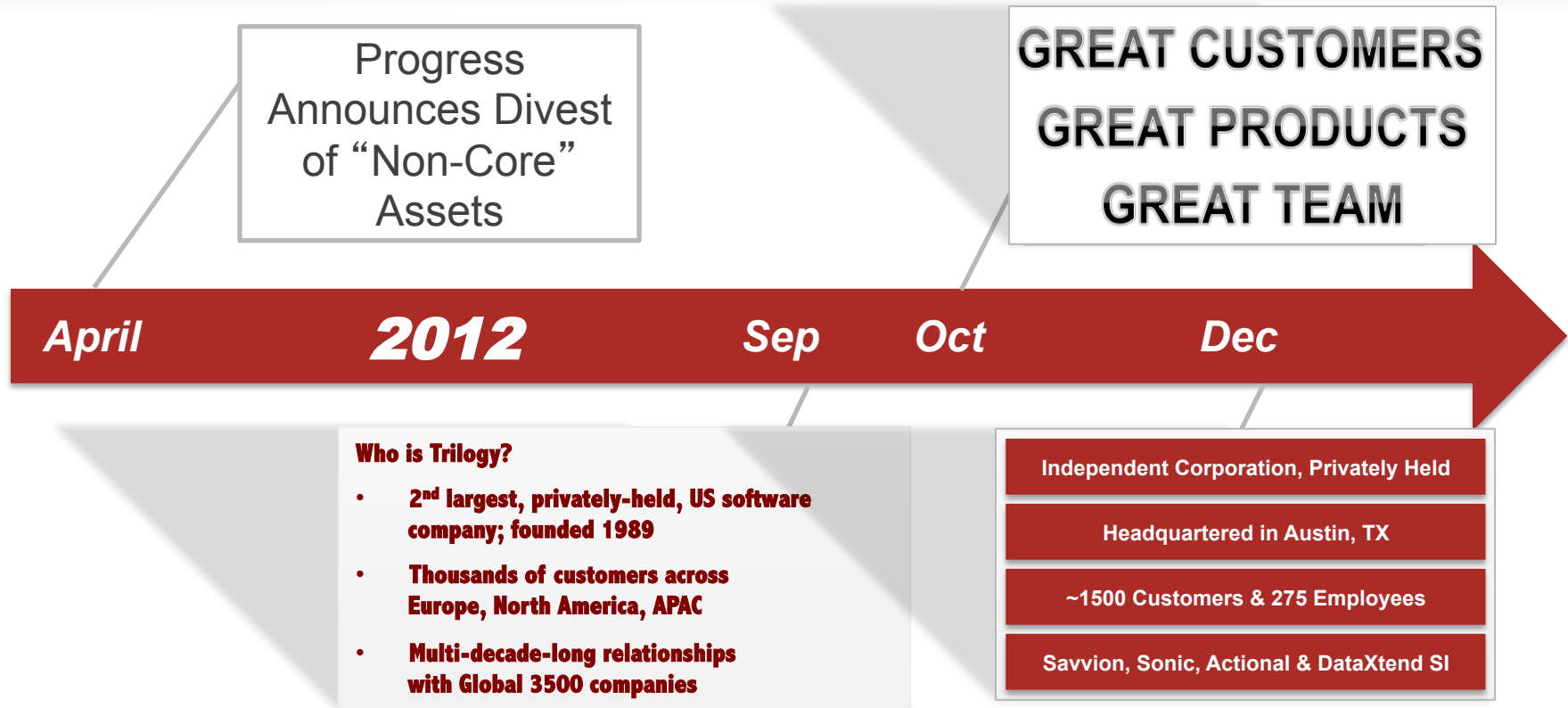
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Aurea Software – Company Introduction, Strategy & Positioning

Aurea 2013 Release Themes &
Sonic 2013 – Release Highlights

Aurea Sonic Plus & Platinum Programs;
Aurea Resource Connection

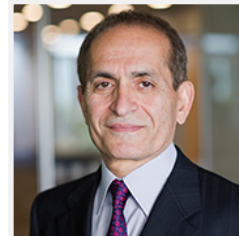
Aurea Formation History



Executive team



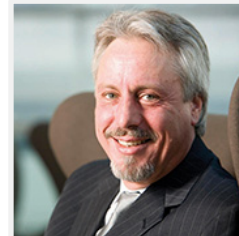
Scott Brighton
Chief Executive Officer



Dr. Mohammad Ketabchi
Chief Product Officer



Eric Levine
Chief Marketing Officer



Hub Vandervoort
Chief Technology Officer

- **Leela Kaza, SVP Services**
- **Todd Brooks, COO**
- **Patrick McClain, CFO**

- **Dan Mohan, SVP Value Assurance**
- **Curt Richtermeyer, SVP Sales**
- **Melissa Garza, VP Human Resources**

Aurea Strategic Positioning

Aurea

Top Three Strategic Differentiators

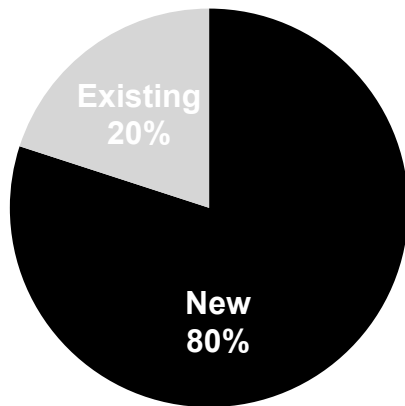
- Aurea is **Privately-Owned**
This enables possibilities not available as a publically-traded company

Aurea Core Philosophy



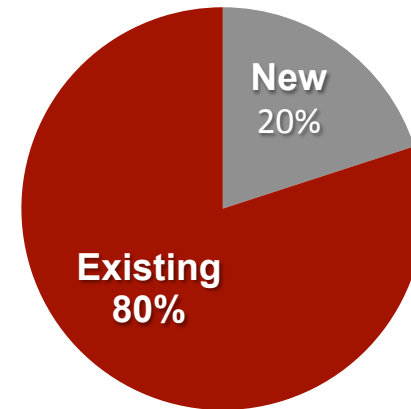
The Typical Model

- 1 GROWTH
- 2 PROFIT
- 3 CUSTOMER SUCCESS



The Aurea Model

- 1 CUSTOMER SUCCESS
- 2 PROFIT
- 3 GROWTH



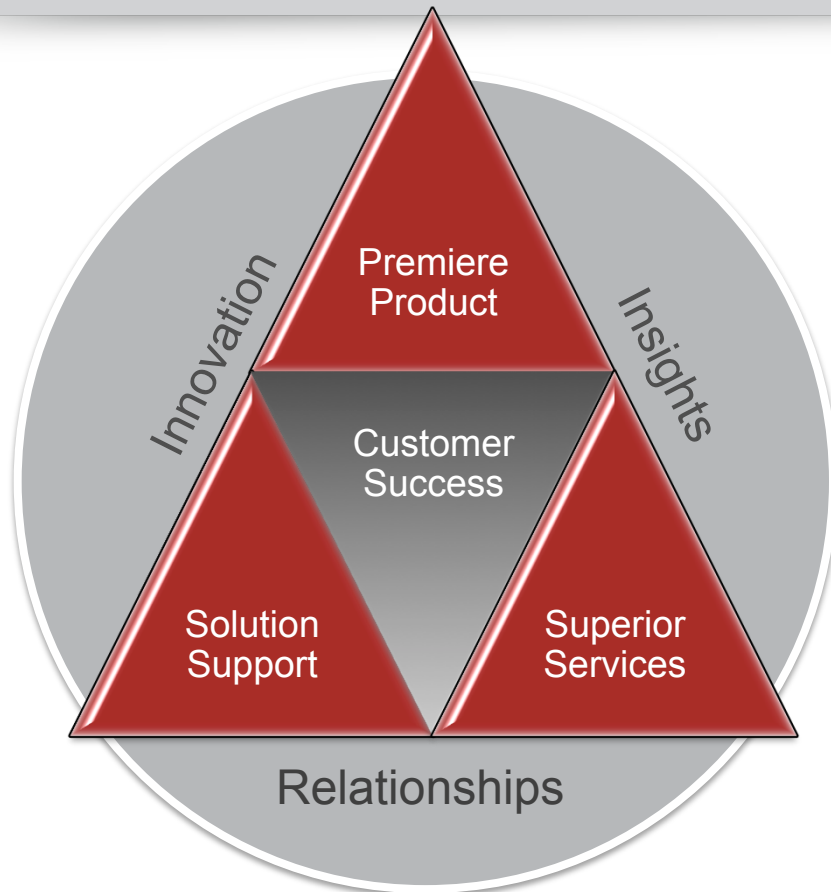
Aurea Strategic Positioning

Aurea

Top Three Strategic Differentiators

- Aurea is **Privately-Owned**
This enables a possibilities not available as a publically-traded company
- Primary Operating Metric is **Customer Success**
Competitors say they want you to be successful... but ask them how they are paid!

Customer Success



100% CUSTOMER SUCCESS

- **Every** customer assigned *two* executive sponsors
- Twice annual meetings to review achievement & establish goals
- Establish crisp, meaningful success metrics *together*
- **Every** employee bonus tied to success

Aurea Strategic Positioning

Top Three Strategic Differentiators

- Aurea is **Privately-Owned**
This enables a possibilities not available as a publically-traded company
- Primary Operating Metric is **Customer Success**
Competitors say they want you to be successful... but ask them how they are paid!
- Aurea Operationalizes those two concepts with a Roadmap strategy towards Managed Services

Product Roadmap Themes



Aurea

QUALITY

FASTER

CLOUD

Aurea2013

2014 +

**TRANSPARENCY
& VISIBILITY**

EASIER

**MOBILE
SMARTER**

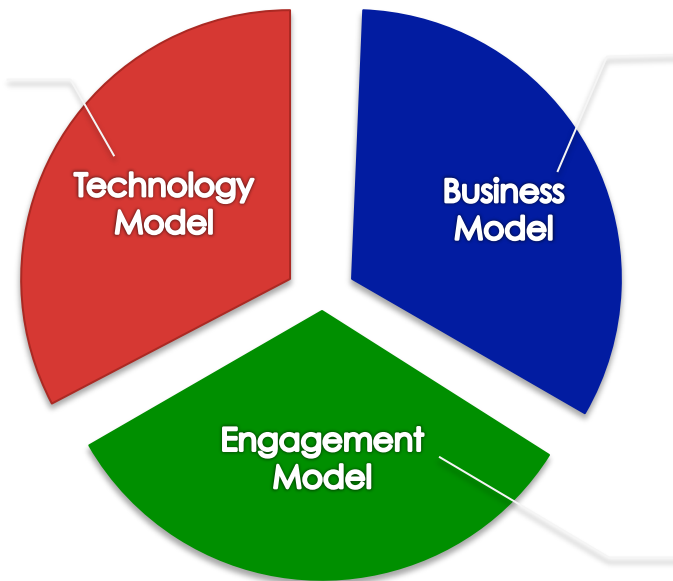
Aurea Cloud Story

**The Heart of the Managed Services Strategy...
but mention “Cloud” and watch what happens...**

SC gets caught up in Technical Drivers:

- Amazon EC2
- Elasticity/Auto-Scaling
- Location Transparency (vMotion)
- Multi-Tenancy with SLA Enforcement
- Metering/Billing
- etc. etc...

While all these are important, this is not exactly what the customer wants or needs...



AE gets caught up in Subscription Pricing:

- $\frac{\text{CPU} + 5\text{yrs Maint}}{5 \text{ yrs}}$ Customer does not want an amortized CPU
- **What they really respond to is “Business-Value Aligned Pricing”** (e.g. beds, passengers, visitors)

What the customer really wants:

- **To simply run their business “USING” our software. They don’t want to “OWN” it**
- **They do not want to handle the issues of life-cycle ownership** (e.g. Install, Upgrade, Config, Tuning, Problem Diagnosis or Resolution)

Aurea Software – Company Introduction,
Strategy & Positioning

Aurea Product Strategy & Release Themes
Sonic 2013 – Release Highlights

Aurea Sonic Plus & Platinum Programs;
Aurea Resource Connection

Technology Products

Enable the development and deployment of business solutions

Solution Products

Deliver significant business values to customers

Aurea technology products power solutions

Aurea

FinSer &
Insurance

Telecom &
Media

Software
Factory

...

Credit
Card Ops

Visitor
Routing

Global
Support

Aurea Technology Products
(Actional, DataXtend SI, Savvion, Sonic)

Capabilities of Aurea technology products

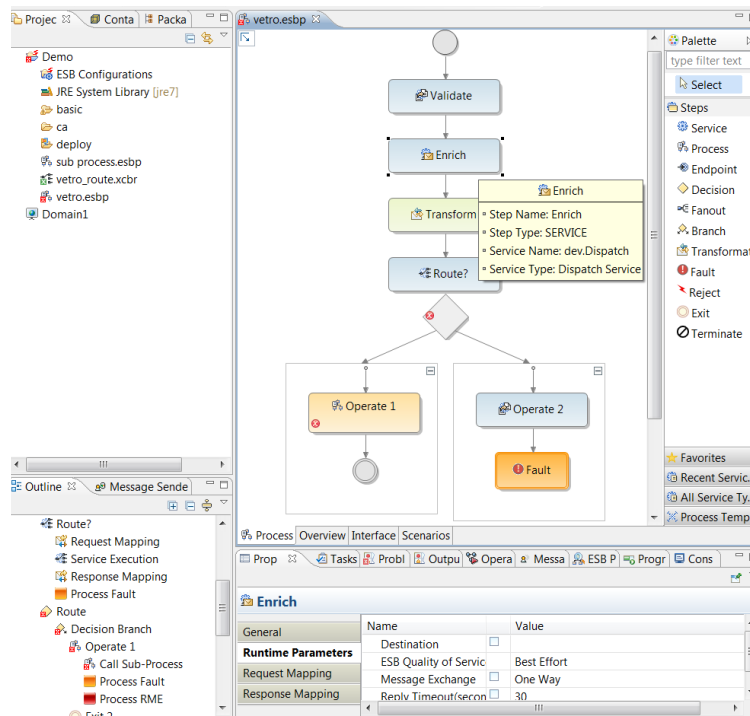


	Actional		DXSI		Savvion				Sonic		All	
	Tran- saction	Policy	Com. Model	Data Trans- formation	Bus. Process	Bus. Rules	Bus. Events	Work Mgmt	Integ. Process	Mes- saging	Analytics	HCI
Define	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Execute		✓		✓	✓	✓			✓	✓	✓	✓
Monitor	✓				✓			✓	✓	✓	✓	
Analyze	✓	✓	✓		✓	✓	✓	✓	✓		✓	
Improve	✓		✓		✓	✓	✓	✓	✓		✓	✓
Govern	✓	✓	✓		✓	✓	✓	✓	✓			

Portfolio Theme: Easier Than Ever Before

Product release themes

- **Actional:** Solve problems faster and simply
- **DXSI:** Increase developer and team productivity
- **Savvion:** Dramatically easier to use – by everyone
- **Sonic:** Easier to develop and deploy



Everything is no more than 2 Clicks away:

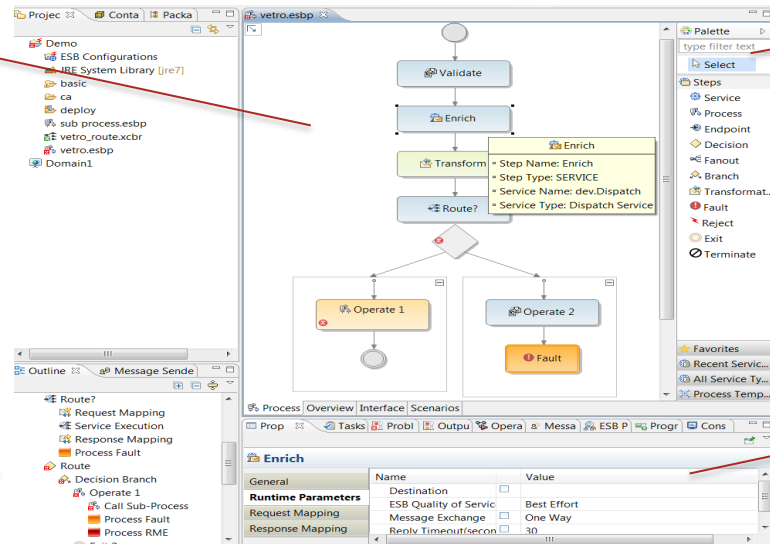
- Edit Runtime Parameters from the overview page
- Edit Processing Stages Directly
- Use Breadcrumbs to jump directly
- One Click Process Tracking
- ...and more

New Look & Feel and Improved Visual Feedback

Searchable Palette

New Outline View

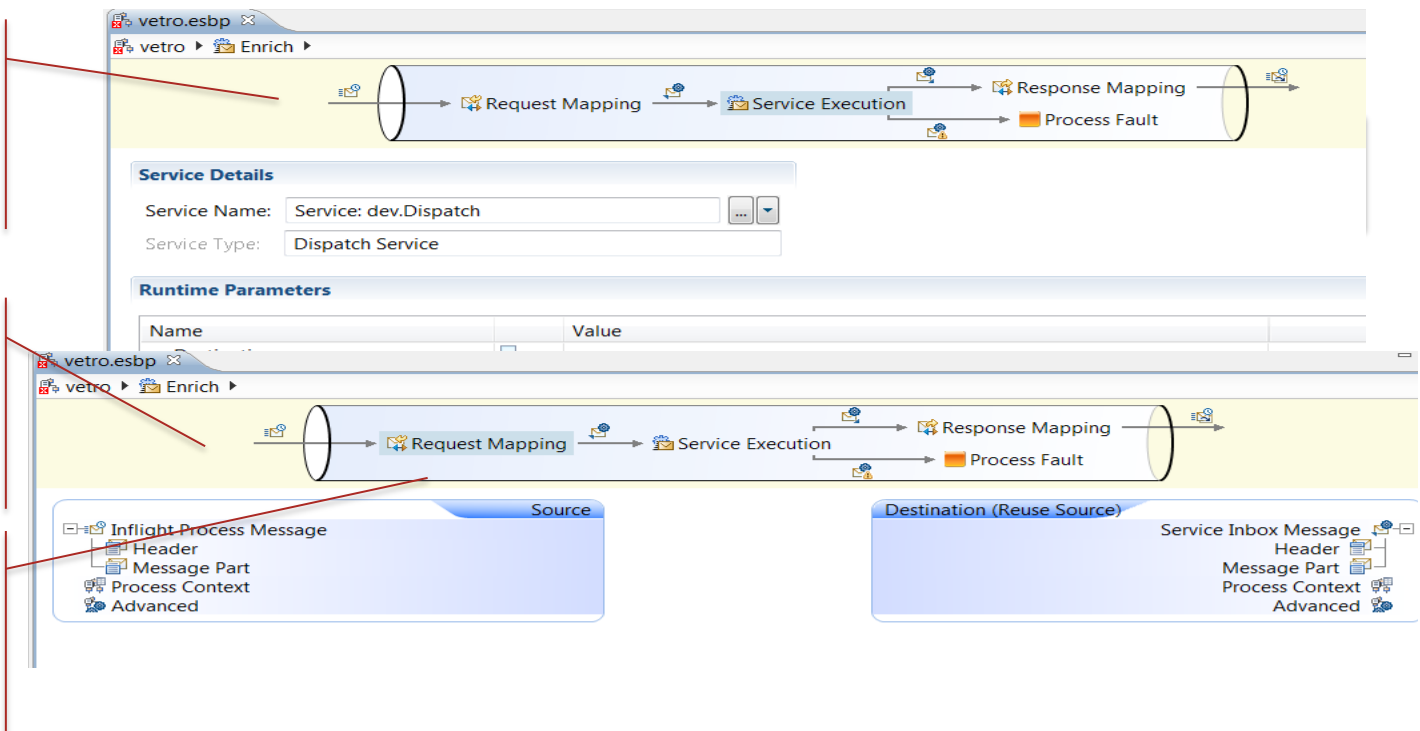
Step Integration with the Properties View



All Service
Detail Pages
Replaced with
Single Page

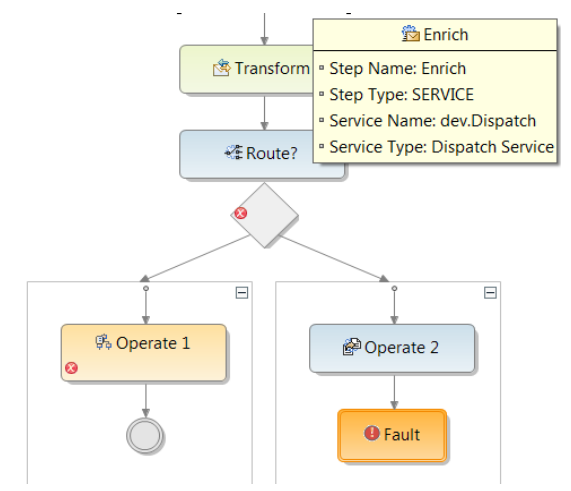
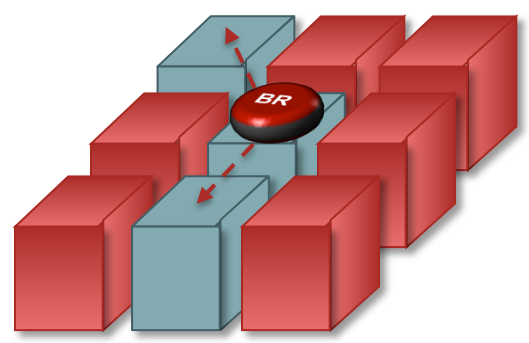
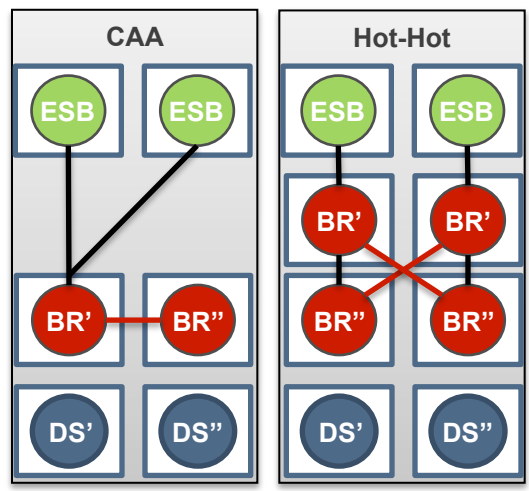
Access any of
the Processing
Stages with One
Click

Enable
Message
Mapping for
each Step



Easier to develop, deploy and operate; cloud-ready

Deployment requirements modeling, support for location transparency, dramatically improved developer tools



Deployment requirements modelling

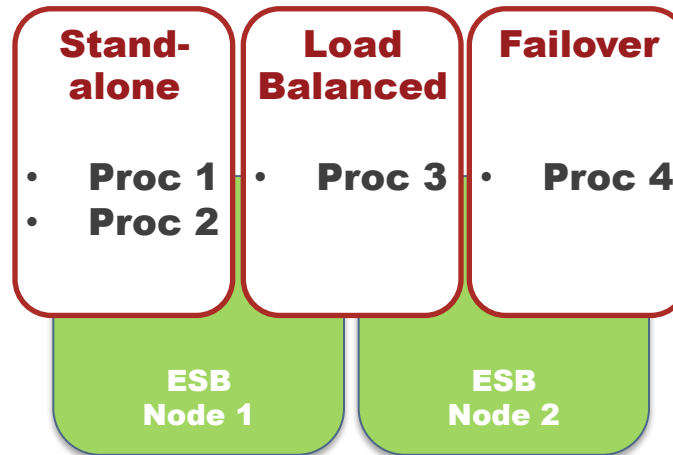
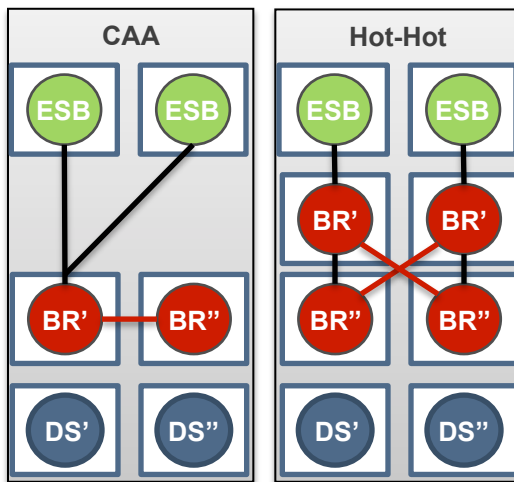
Choose
Deployment
Pattern



Define
Deployment
Requirements



Deployment
Model
Generated

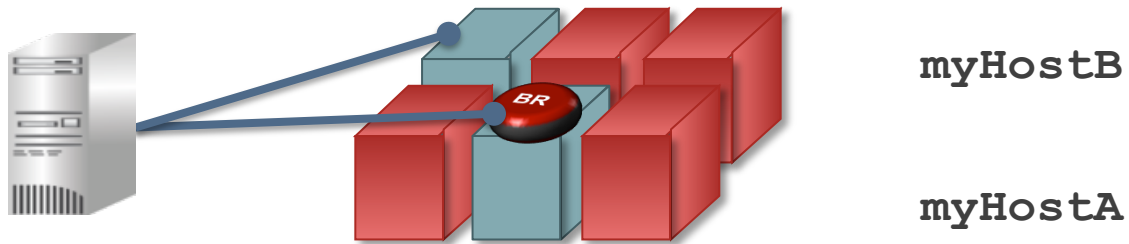


Location transparency

Sonic Clients dynamically discover
broker locations

`sonicrn:///myBroker`

Brokers auto-configure from the
runtime environment; Amazon EC2
aware



No configuration changes at clients or brokers!

- Full Java 7 support and other new platforms
- Top-down Sonic Connect workflows (SOAP and REST)
- Sonic Connect scalability update
- Transformation Step as intrinsic process step
- Predefined Eclipse user libraries
- New ESB Service usage metrics
- Centralized management of Flow Control Monitoring Interval
- New SonicMQ Flow to Disk Metrics
- Database driver updates

Upcoming retirements and end of life



	Retired	End of Life
Actional 8.1.X	June 2012	June 2013
DXSI 8.4.X	Dec 2013	Dec 2014
Savvion 7.5.X	June 2013	June 2014
Sonic 7.6.X	April 2013	April 2014

For details on each product release
[visit the Aurea Support Page](#)

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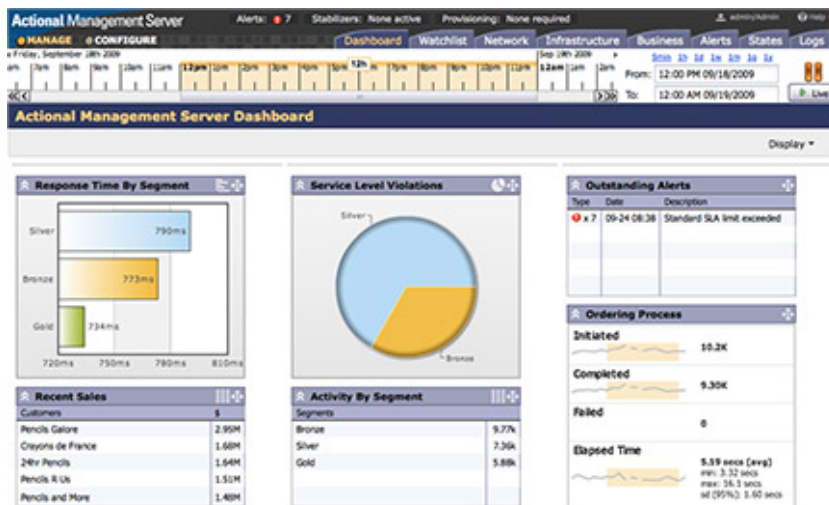
**Aurea Sonic Plus & Platinum Programs;
Aurea Resource Connection**

Transparency and Visibility



Aurea

Introducing Sonic Plus and Savvion Plus



- New offering, bundling Actional technology with Sonic & Savvion
- Enable complete transparency and visibility – even outside the bus or BPM
- Diagnose issues instantaneously
- Deliver guaranteed SLAs
- Resolve problems *before* they happen

Platinum is Not Just Support



Aurea

Enabling Successful Solutions

Basic Support

“Support The Product”

Make It

Narrow Product

Reactive

Product Updates

Product Knowledge



Aurea Platinum

“Enable The Solution”

Make It Work

Broad Solution

Proactive

Solution Upgrades

Solution Context

Summary Comparison: Standard v. Platinum



	Standard	Platinum
CUSTOMER SUPPORT		
Customer Success Program	✓	✓
Online Support Portal	✓	✓
Patch and Update Releases	✓	✓
Severity One Response Time	4 hours	Immediate
Platinum VIP Hotline		✓
Priority Issue Resolution		✓
SOLUTION SERVICES		
Upgrade Assistance Program		✓
Aurea Community Code Share		✓
Solution Wellness Program		✓
Access to Platinum Intelligence Center & Knowledgebase		✓
Access to Platinum Training Services		✓

Upgrade assistance through the Platinum Program



Our Consultants follow a rigorous process



1

Assess your environment

2

Perform the upgrade

3

Test

4

Provide you a *run-book*

Result – Confidence you need to execute a smooth, successful upgrade!

Aurea 2013 Product Details

- Aurea Website: www.aurea.com
- Aurea 2013 [Product Brochure](#)

Upgrade Assistance and the Platinum Program

- Email platinuminfo@aurea.com
- [Platinum Program](#) Detailed Materials
- Webinar Recordings:
 - Aurea 2013 Product Launch
 - PLUS Program overview
 - 'Platinum Program' and 'Upgrade Options'

- **Aurea:** Great Products; Great Team; Great Customers; ***and a Great Future Ahead...***
- Differentiated Strategy:
 - Privately Owned
 - Focused on 100% Customer Success
 - Platinum Program and Managed Services Accountability
- Technology Superiority and Innovation Leadership
 - Technology model; Business model; Engagement Model
 - Plus Program – High Value Promotional Offers
 - Aurea 2013 Release and Future Roadmap (Vertical, Cloud, Mobile, Analytics)

Questions & Answers



Thank You!



Aurea Sonic 2013 Detailed Feature Review

Product Launch 2013

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Problems Solved at Design Time

- **Problem:** Working with the Process Editor typically requires too much nesting and you can lose the tasks' context.
- **Problem:** Request or Response Message Mapping could not be enabled on a step-by-step basis.
- **Solution:** Provide this with one click away

Processes Editor Improvements: Overview Page

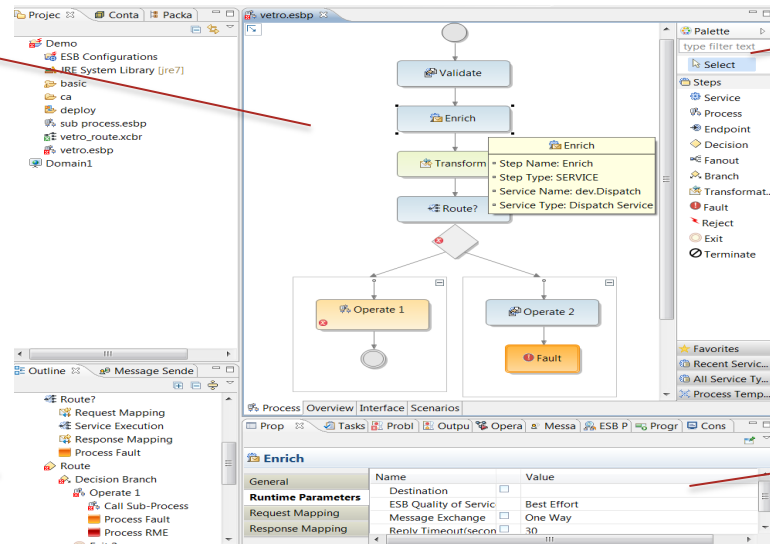
Aurea

New Look &
Feel and
Improved Visual
Feedback

Searchable
Palette

New Outline
View

Step Integration
with the
Properties View

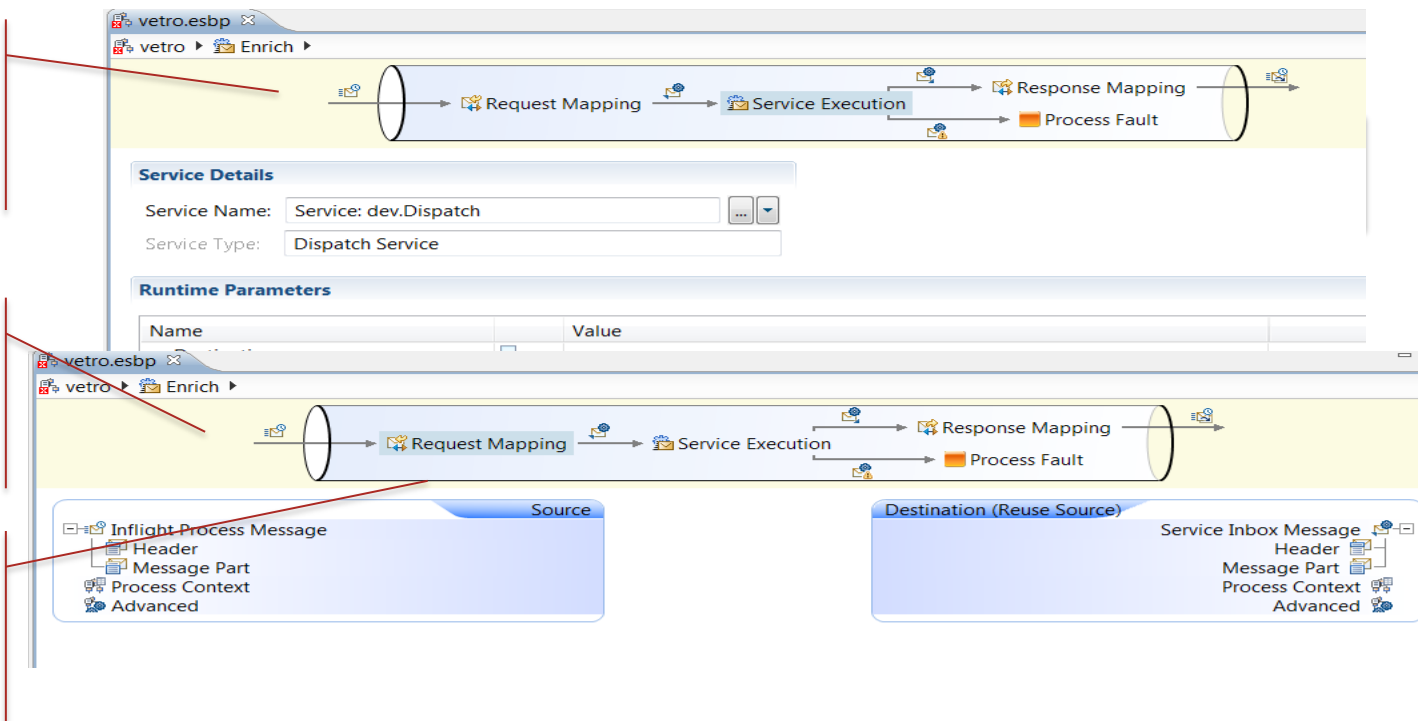


Processes Editor Improvements: Processing Stages

All Service Detail Pages Replaced with Single Page

Access any of the Processing Stages with One Click

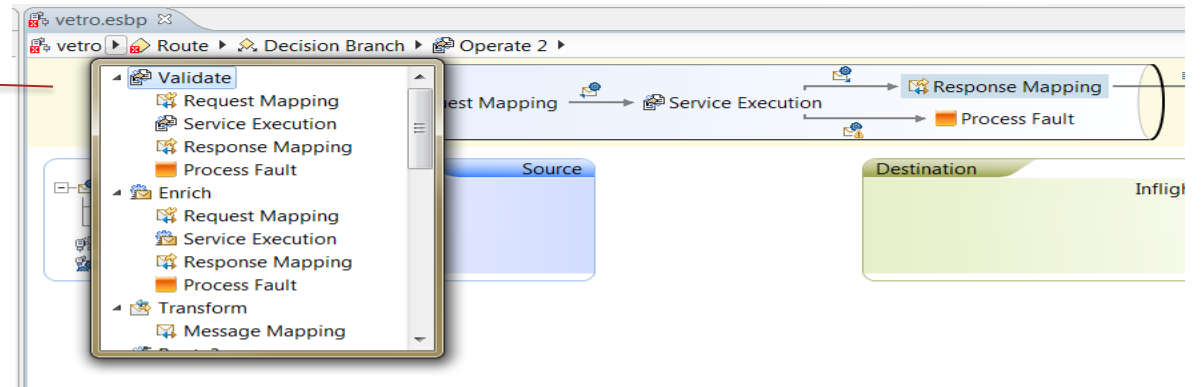
Enable Message Mapping for each Step



Processes Editor Improvements: 1-Click Breadcrumb Navigation

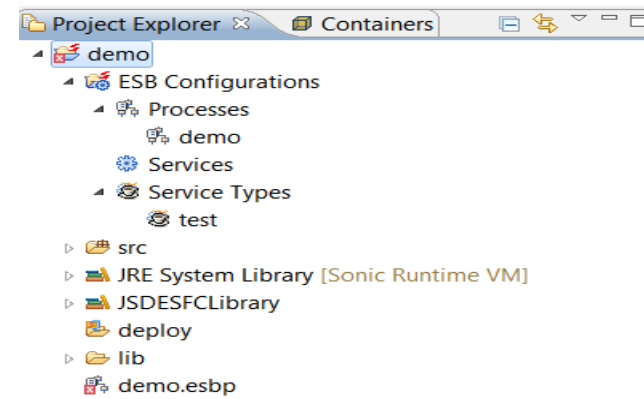
Aurea

Breadcrumb can take you to any other step or processing stage immediately



ESB Configurations at Project Level

- See all ESB Configurations of the Project at once
- Open them without having to remember their path



Problems working with Process tracking

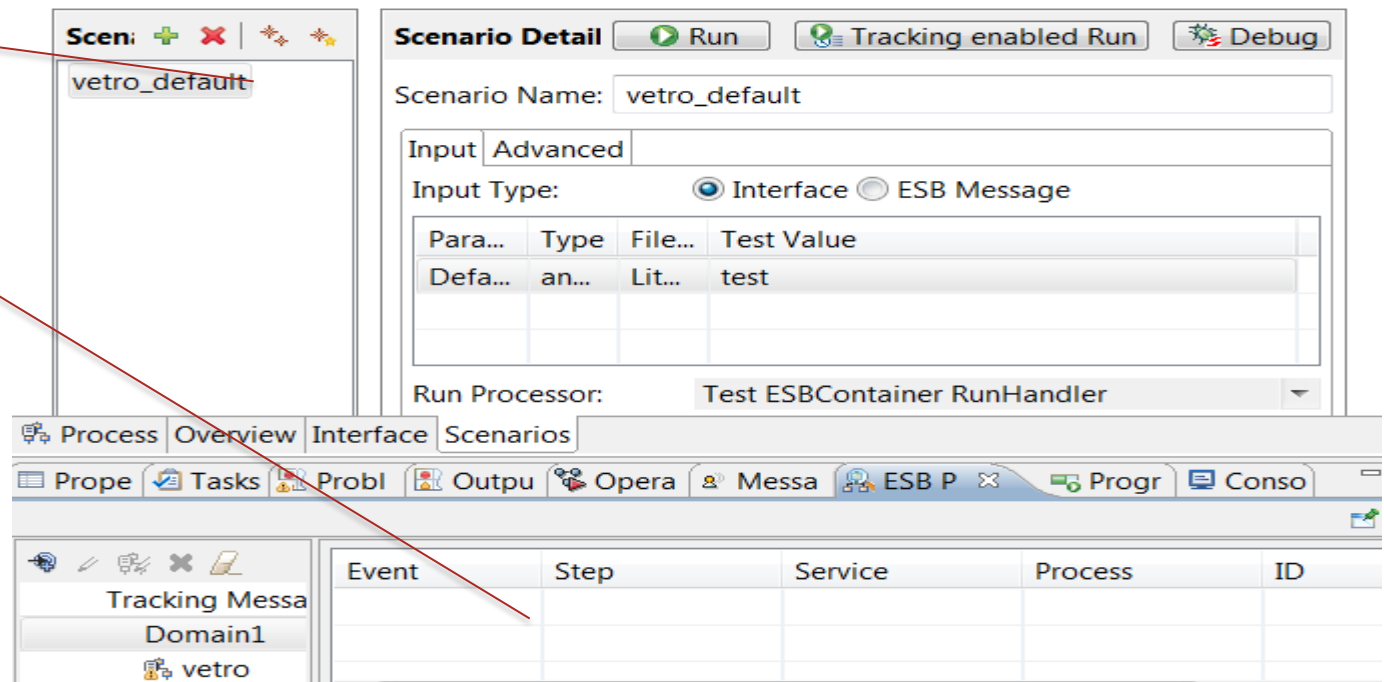


- **Problem:** Working with process tracking requires opening the process, changing the tracking level, adding it to the tracking view, ...
- **Solution:** Provide this with one click away

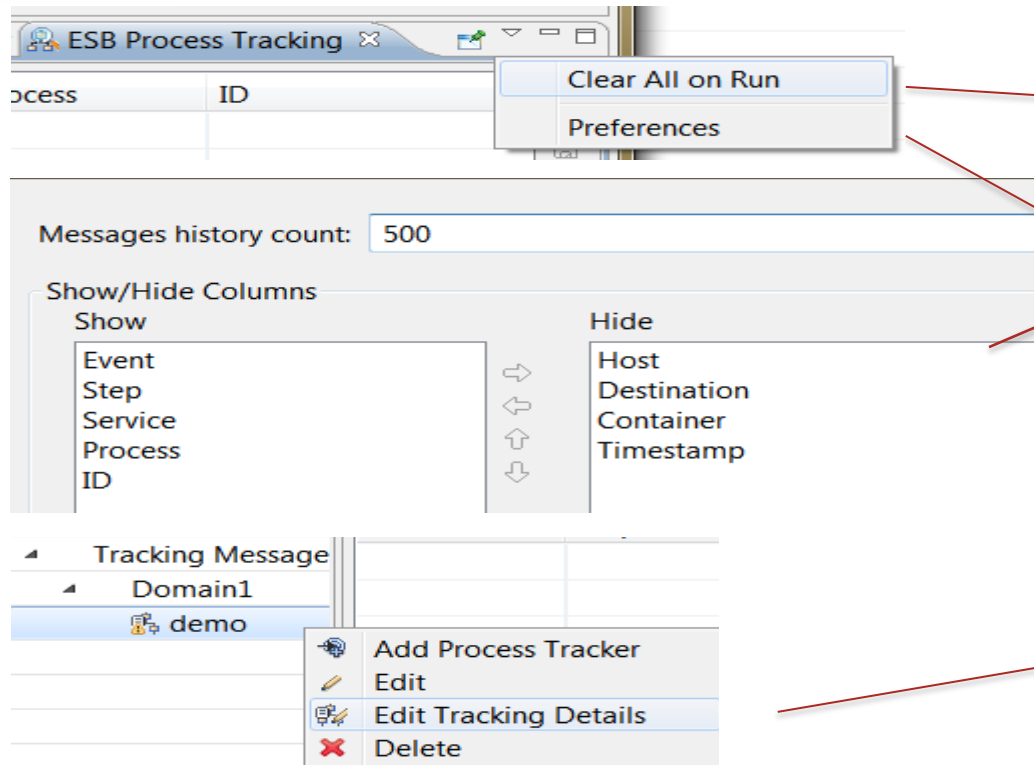
Process Tracking Improvements

New Tracking Enabled Run enables tracking on-demand

Automatically adds to ESB Process Tracking view as well



Process Tracking Improvements



New **Clear All on Run** clears view before each scenarios run automatically

Preferences to show/hide tracking columns

Edit the **Tracking Level** without opening the process

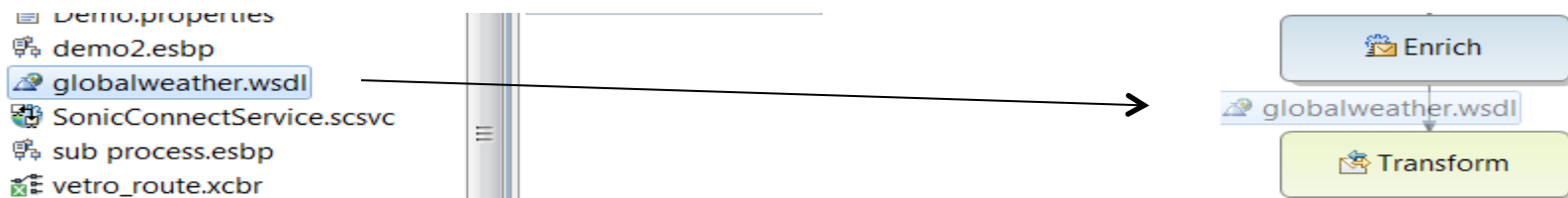
- **Problem:** Sonic Connect always requires a separate Project and you first have to define the operations invoked before using it in your process.

Why is it so difficult if all I had to do in Sonic 7 was to drag and drop a WSDL?

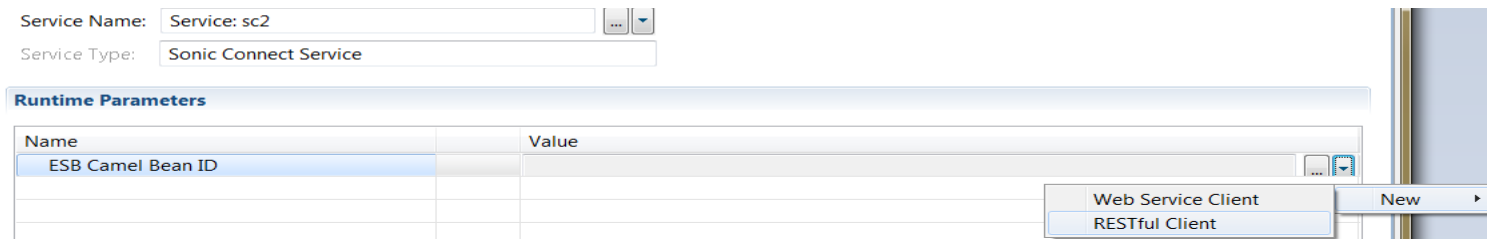
- **Solution:** Provide Top-Down Sonic Connect workflows and other enhancements

Top-Down Sonic Connect Workflows

- Drag and Drop of a WSDL creates a Sonic Connect Web Service not a V7 one.



- Create New RESTful or Web Service Client directly from Sonic Connect Step




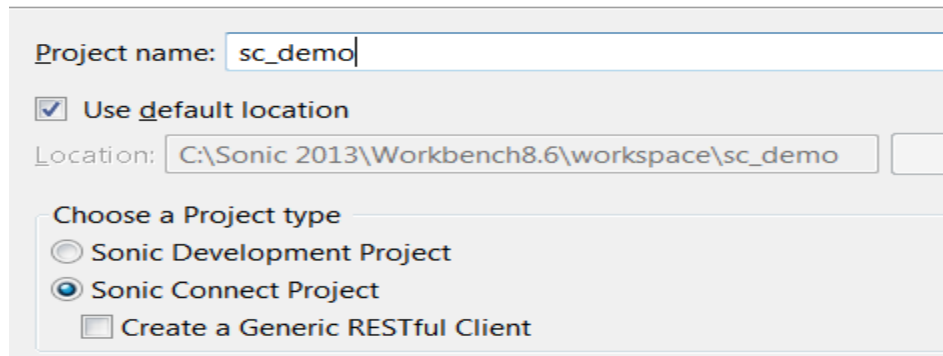
Optional Generic RESTful Client

Skip creation of the generic client in new Sonic Connection Project wizard

Add it later in the Sonic Connect Editor if you really need it

Create a Sonic Connect Project

 Create a Sonic Connect project with a default Sonic Connect service



Project name:

Use default location

Location:

Choose a Project type

Sonic Development Project

Sonic Connect Project

Create a Generic RESTful Client

Sonic Connect Editor

[Open default Sonic Connect service configuration](#)

Operations

List of operations available in this Sonic Connect project



- Add Web Service...
- Add Web Service Client...
- Add RESTful Web Service...
- Add RESTful Client...
- Add Generic RESTful Client**
- Add Operation

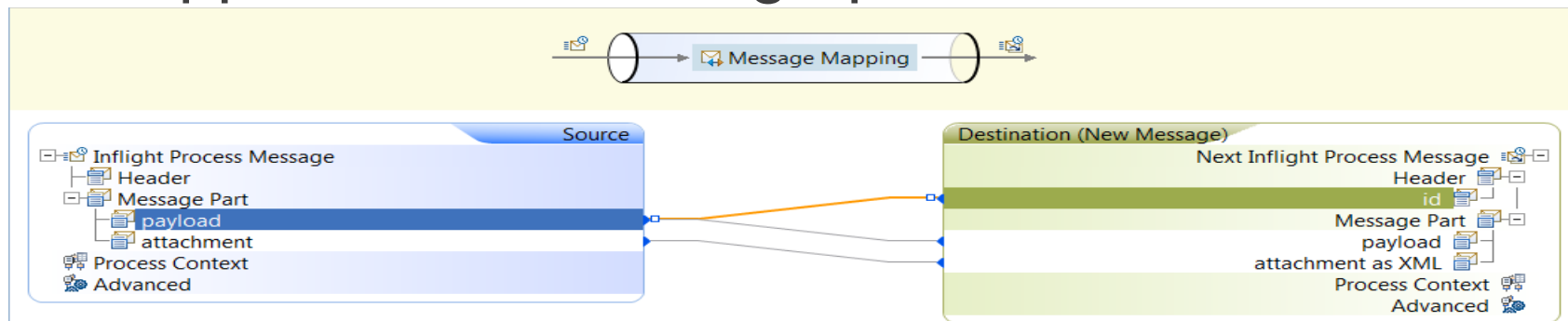
Sonic Connect Scalability Update

- Third Party Upgrades
 - Apache Camel 2.10 (was 2.1)
 - Apache CXF 2.6 (was 2.2)
 - Jetty 7.5 (was 6.1)
- Benefits
 - Improved scalability by avoiding blocking while waiting for response from itinerary (uses asynchronous processing overhaul in Camel and CXF).
 - Java 7 Support

- **Problem:** The Transformation Service just supports multiple message parts just with custom code and it is always XSLT
- **Solution:** Provide an explicit transformation step and generally enhanced graphical mapping

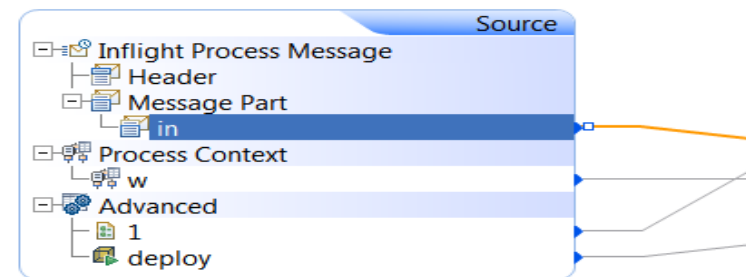
Transformation Step replaces Transformation Service

- Graphical Message Mapping
- Support for all message parts and headers



New Graphical Mapping Features

- New Look & Feel
- Flattened Message Structure
- New Transformations
 - Encode and Decode Binary
 - Hex or Base64



[Edit Namespaces...](#)

Transformation

Transformation Type:

Encode Binary

Encoding Option:

HexBinary Encoding

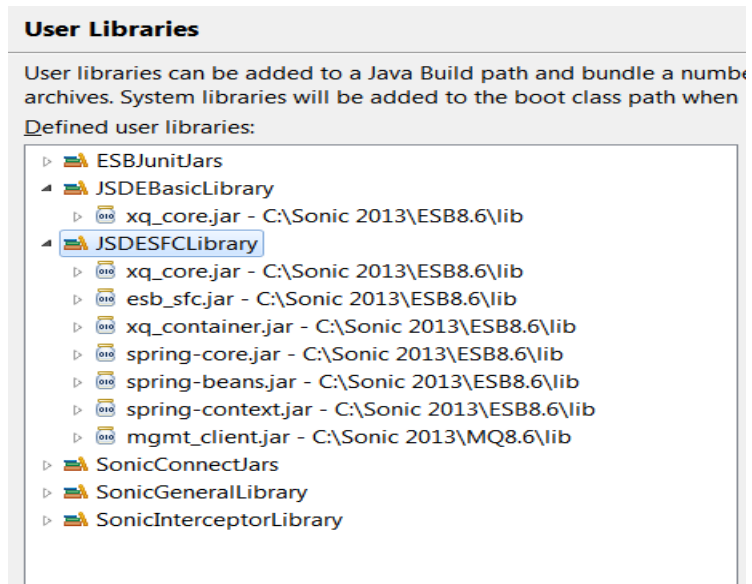
- **Problem:** How to write services supporting custom metrics and notifications?
- **Solution:** Introduce Sonic Foundation Classes based ESB services as new default.

- Sonic Foundation Classes (SFC) template is the default for new ESB Services

```
public class MyFirstService extends AbstractSFCSERVICEImpl {  
  
    /**  
     * Constructor for a MyFirstService  
     */  
    public MyFirstService() {  
    }  
  
    public void doService(final SFCSERVICEContext ctx, final XQEnvelope envelope)  
        throws XQSERVICEException {  
  
        // Pass message to the outbox.  
        ctx.addIncomingToOutbox();  
    }  
}
```

Predefined Eclipse User Libraries

- Custom ESB Services or Interceptors projects made portable
- Projects use Libraries instead of local paths
- Backed by a single Classpath Variable SONIC_HOME



- Separated **Number of Listeners** from **Concurrent Calls**
- Listeners now just define number of JMS sessions
- **Concurrent Calls** define how many threads can enter an ESB service instance

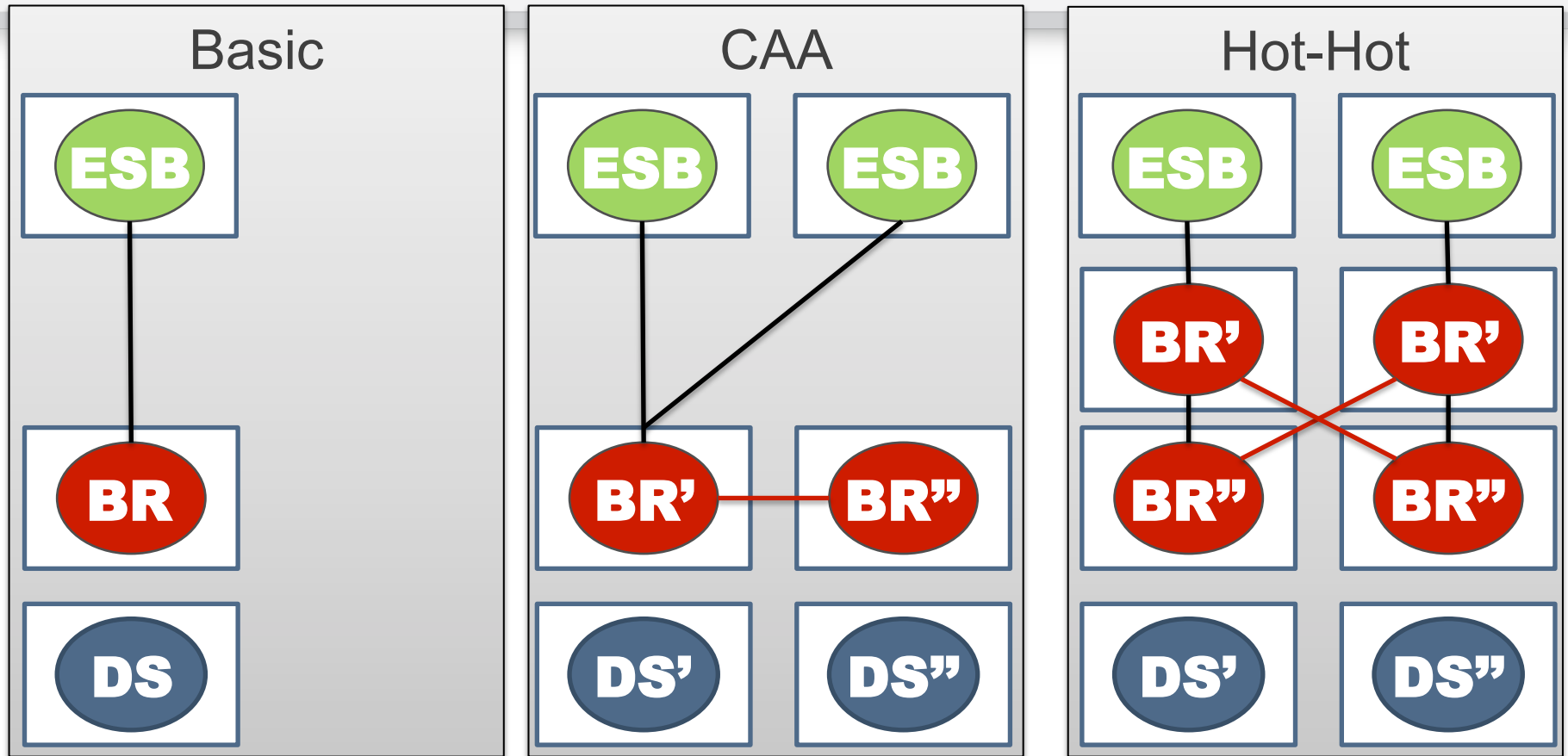
Service/Process Maintenance	
General	Advanced
*Name:	dev.Dispatch
*Type:	Dispatch Service
*Listeners:	1
Entry Endpoint:	dev.Dispatch.Entry

Service/Process Maintenance	
General	Advanced
Startup Priority:	0
Concurrent Calls:	-1

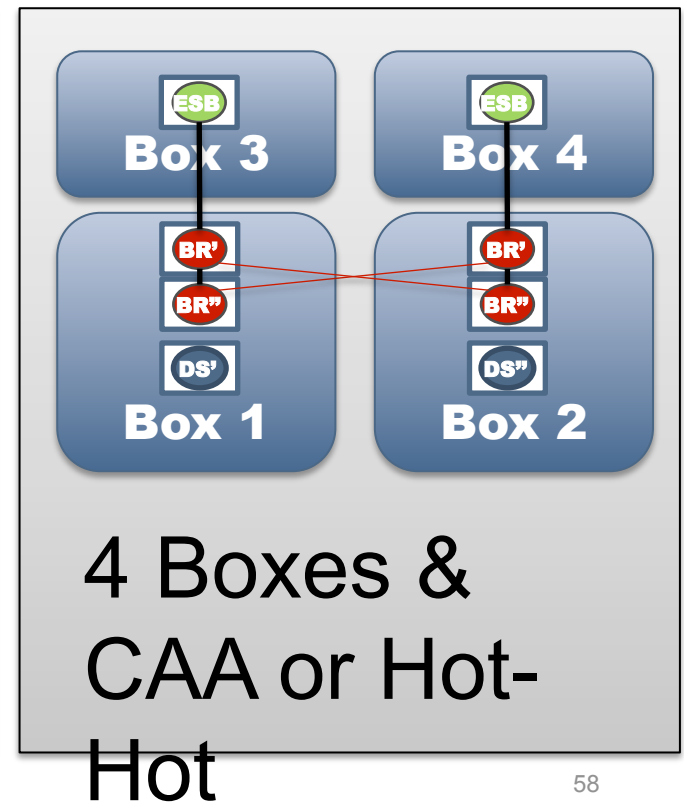
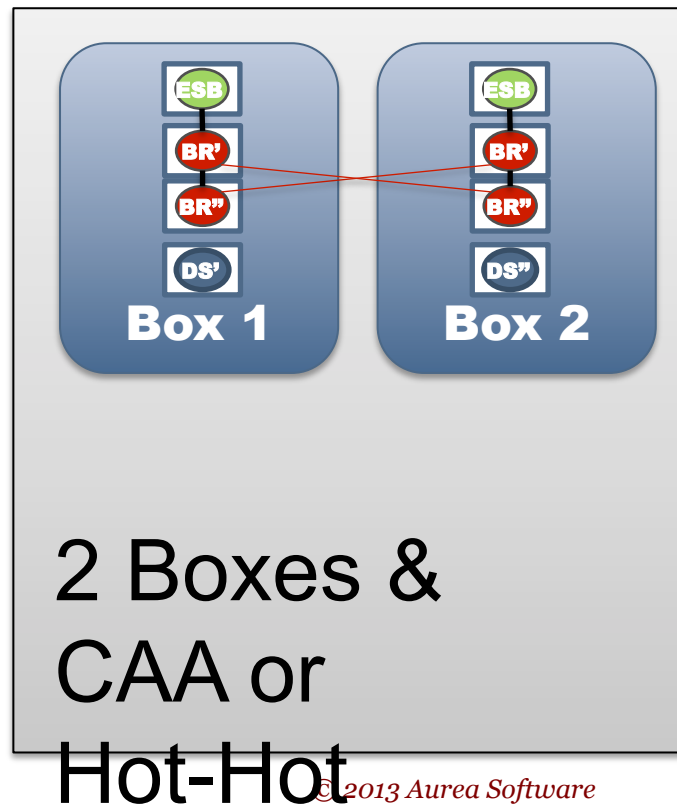
Problems Solved Moving to Production

- **Problem:** Once done with development how do I move my project to testing and production?
- **Solution:** Brand new deployment topology tooling focusing on most used Logical and Physical Deployments

Most Used Logical Deployment Patterns

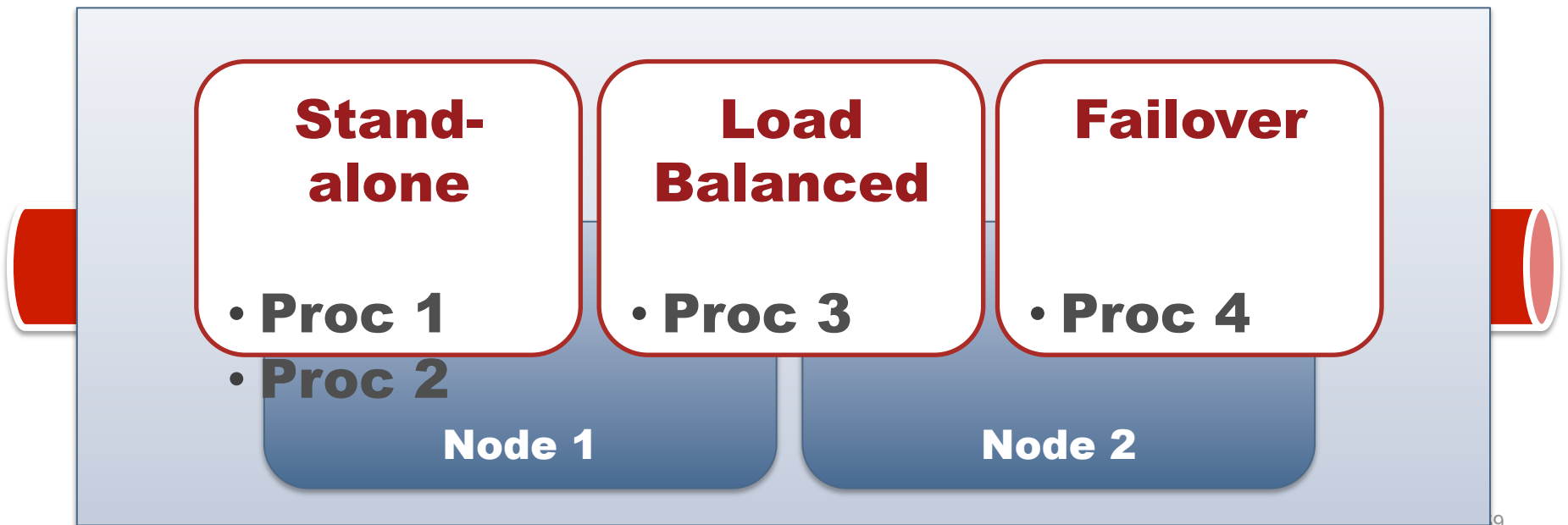


Most Used Physical Deployments



1) Choose a **Deployment Pattern**

2) Drag and Drop Processes onto **Functional Areas**



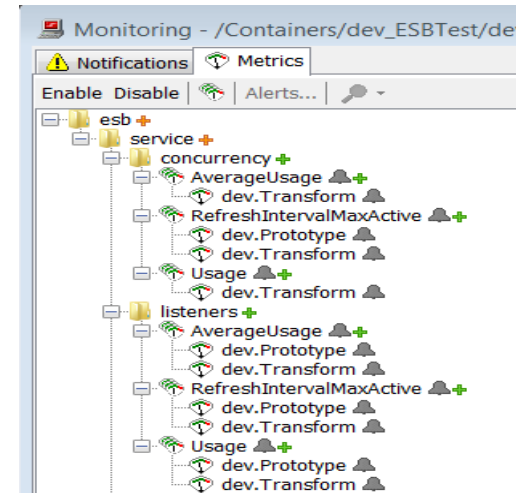
3) Generate an SDM Model

- Generated Artefacts:
 - Service Instances
 - Entry, Exit, Fault and RME endpoints
 - ESB Connections
 - ESB Containers
 - MF Containers
 - Brokers
 - Clusters
 - Queues/Topics

Problems Solved Operating Sonic

- **Problem:** How do I tune a Sonic ESB deployment?
- **Solution:** Let the services report on current and average usage.

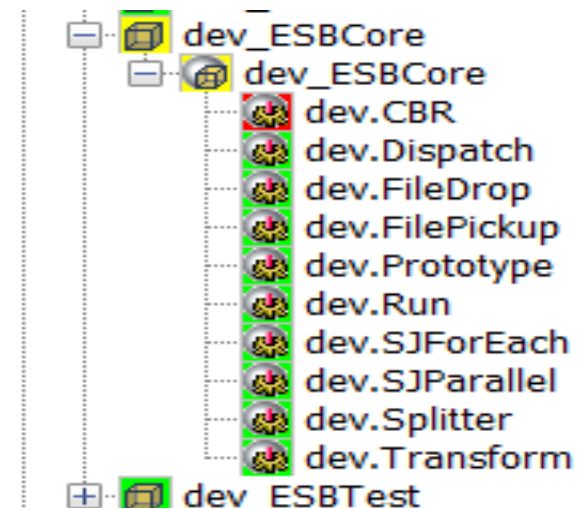
- New Metrics for ESB Services
 - RefreshIntervalMaxActive
 - Usage
 - AverageUsage
- Both for Listeners and Concurrent Calls



ESB Service Layer Improvements:

Sub-component status reporting

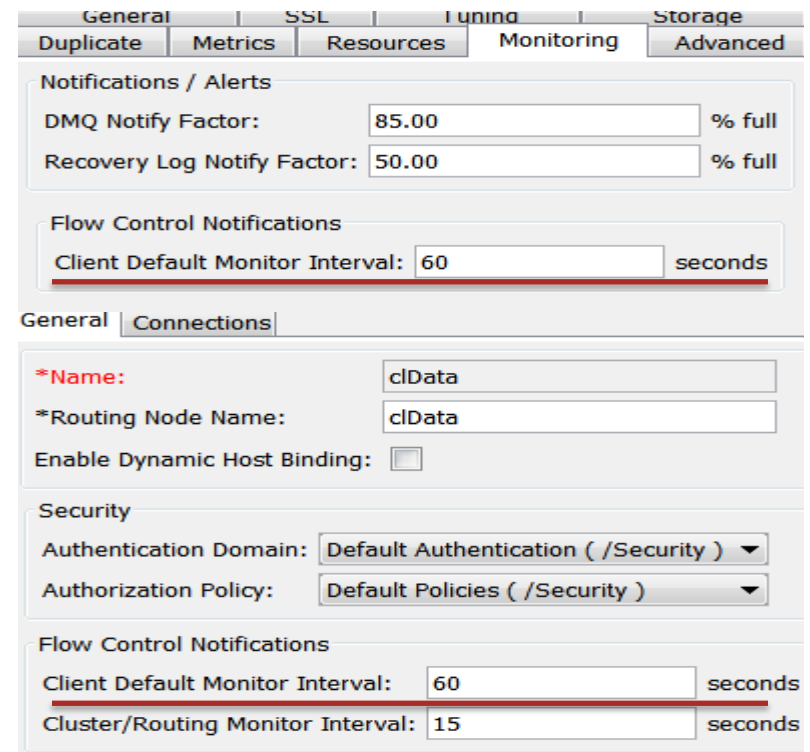
- Offline ESB Services will render containers yellow



- **Problem:** How do I find out if a messaging producer is **blocked**?
- **Solution:** SonicMQ will turn on flow control monitoring by default and without requiring restarts.

Default Flow Control Monitor Interval for JMS Clients

- Changed the default from 0 seconds to 60 seconds
- Broker or Cluster-wide setting
- Changes are applied dynamically to all subsequent connections



The screenshot displays the configuration interface for Aurea software, showing various tabs and settings. The 'Monitoring' tab is selected, and the 'Client Default Monitor Interval' is set to 60 seconds. The 'Connections' tab is also visible, showing settings for a connection named 'clData'.

General	SSL	Tuning	Storage
Duplicate	Metrics	Resources	Monitoring

Notifications / Alerts

DMQ Notify Factor: 85.00 % full

Recovery Log Notify Factor: 50.00 % full

Flow Control Notifications

Client Default Monitor Interval: 60 seconds

General | Connections

*Name: clData

*Routing Node Name: clData

Enable Dynamic Host Binding:

Security

Authentication Domain: Default Authentication (/Security)

Authorization Policy: Default Policies (/Security)

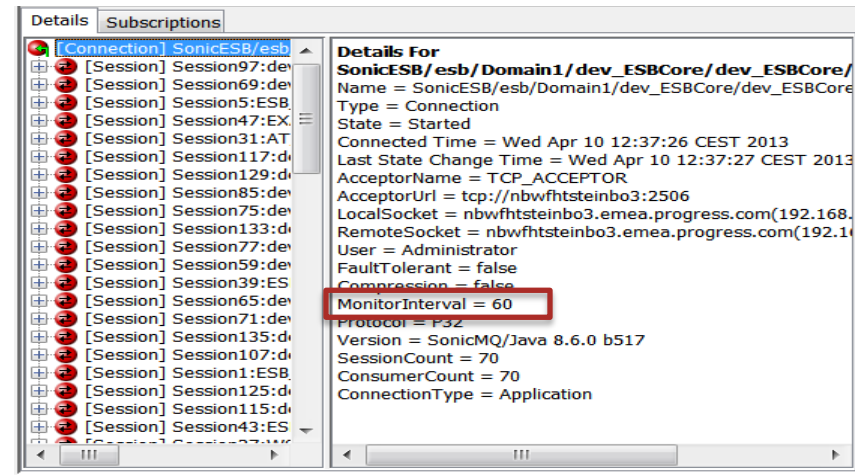
Flow Control Notifications

Client Default Monitor Interval: 60 seconds

Cluster/Routing Monitor Interval: 15 seconds

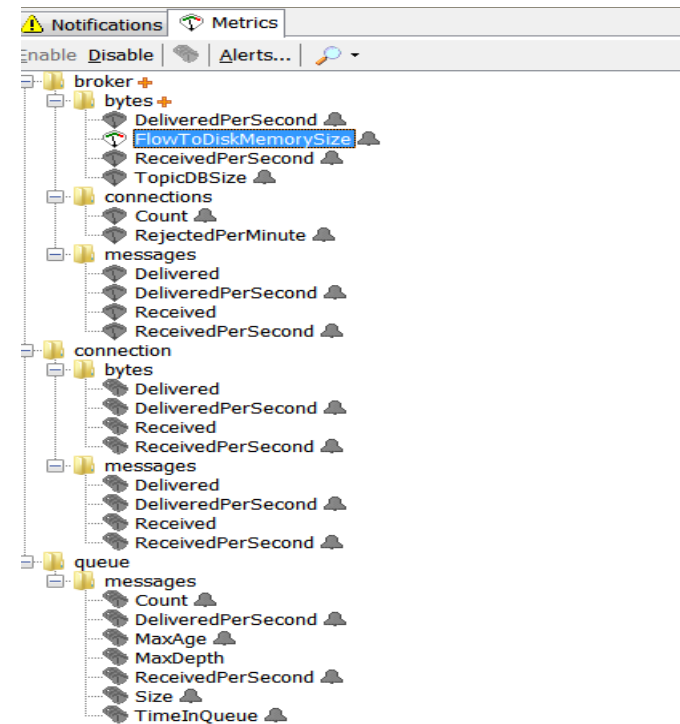
Monitoring Interval Information per Client

- To find out the Monitoring Interval in effect use the JMS Connection View
- Actual Value available on a per connection basis



Blocked Producers despite Flow to Disk?

- Even with unlimited Flow to Disk a client can run into flow control ~500,000 messages
- New Metric `FlowToDiskMemorySize` showing current usage
- New Alert for high and low thresholds



- **Problem:** How do I seamlessly run Sonic on physical hardware, virtualized environments or in the cloud without **manual interventions**?
- **Solution:** Make it agnostic to location and network changes.

Location Transparency in Configurations



- If you want to move a broker to a new machine you have to change at least three things
 - Broker Acceptor
 - JNDI Clients
 - ESB Clients
- Many times there are many more places to change
- In future you will not have to change them at all

- New **Discovery Protocol**
`sonicrn:///<routing node name>`
`[?acceptor=MY_ACCEPTOR]`
- Routing Nodes can be either clusters or brokers
- URL resolves dynamically to all MY_ACCEPTOR of the given routing node
- Supported Client Configurations
 - JNDI Connection Factories
 - ESB Connection Configurations

- Location Changes of broker peers are fully transparent to CA clients
 - Zero-Downtime of the clients
 - Seamless failover
- Client caches resolved URLs
 - Update only on change

- **Dynamic Host Binding** auto-configures Brokers and Cluster from the runtime environment
- Auto-Configured Broker Configurations
 - Acceptors
 - Interbroker Acceptors
 - Replication Connections

Broker Dynamic Host Binding

Turn it on at Broker or Cluster Level

General | SSL | Tuning | Storage | Duplicate | Metrics | Resources | Monitoring | Advanced

*Name: MgmtBroker

*Control Number:

Product Information...

Enable Dynamic Host Binding:

Acceptor now takes hostname from target machine

General | SSL

Parameters

*Name: TCP_ACCEPTOR

*URL: tcp :// : 2506

External URL: tcp :// :

Replication Connections too take hostname from target machine

Replication Connection

*Name: Replication

Protocol: TCP

Primary (Hostname or IP Address):

Primary Port: 22506

Backup (Hostname or IP Address):

Backup Port: 22506

- Amazon EC2 meta data APIs used to retrieve **public** and **private** hostnames
- Broker Acceptors and Replication Connections listen to the **private** hostname
- Both **Public** and private hostnames are reported to clients in sonicrn:// resolved URLs



- DataDirect Driver update to 5.1 and rebranding
 - New classnames are `com.aurea.sonic`
- Java 7 is default
- XML Server tools and BPEL Server are removed

Aurea

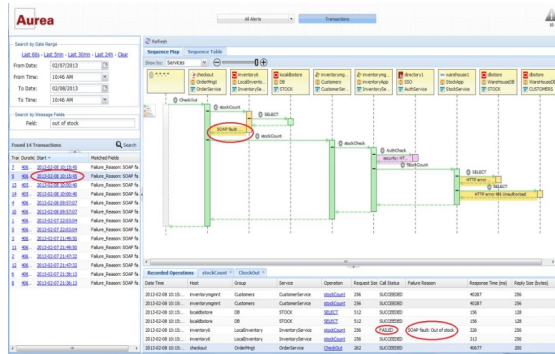


Aurea 2013 Actional, DXSI & Savvion

Product Launch Summary Review

Solve Problems Faster

Create, view, analyze and take fast action

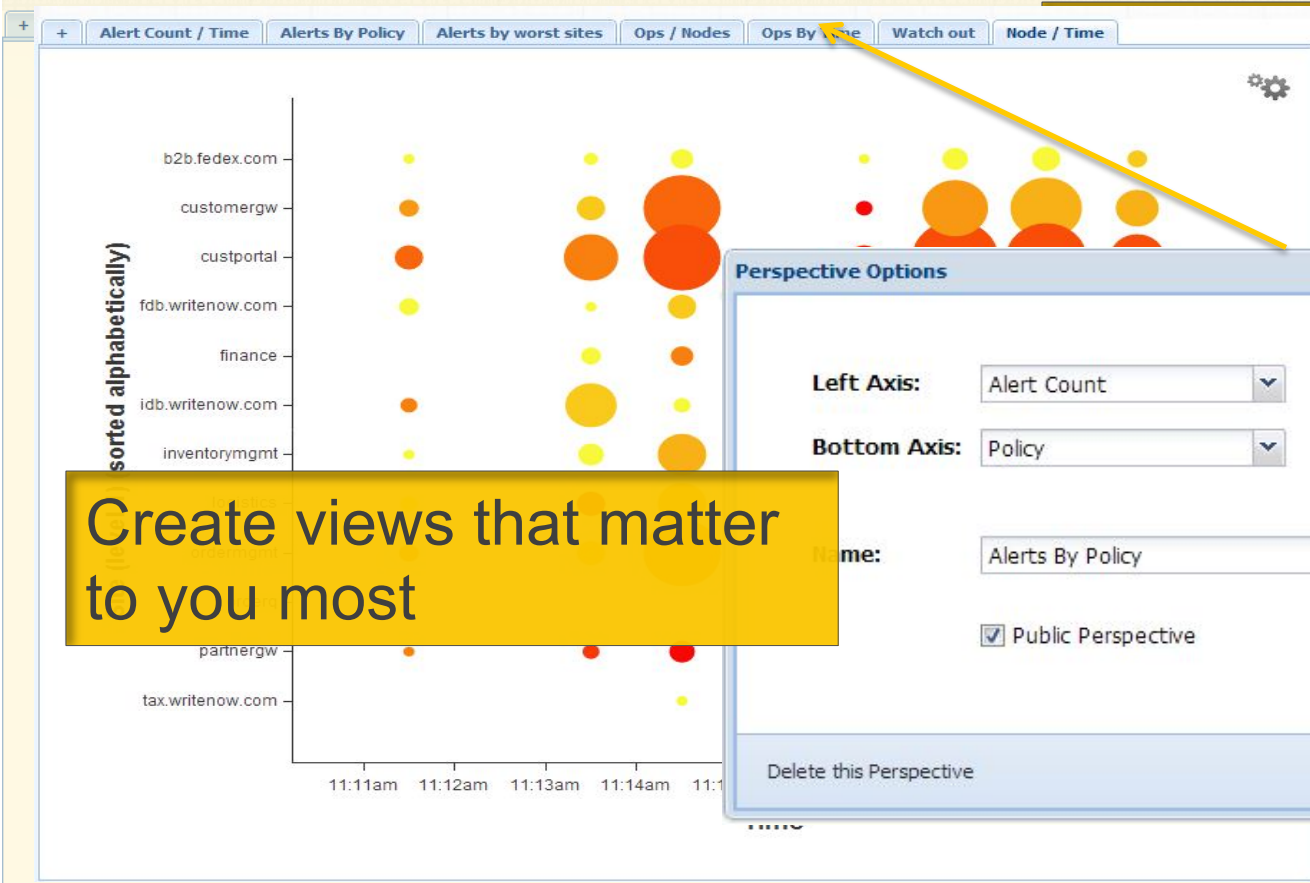


Alerts: None | Stabilizers: None active | Provisioning: None required

Interceptor Settings

List of settings applied to interceptors.

Setting	Value	Target Host
com.aurea.ig.interceptor.jms.captureConsumePayload		
com.aurea.ig.interceptor.jms.captureProducePayload	true	All Interceptors
com.aurea.ig.interceptor.jms.captureProducePayload		
com.aurea.ig.interceptor.jms.captureProducePayload	true	All Interceptors
com.aurea.ig.interceptor.jms.onMessageRequestAnalysisRegex		
com.aurea.ig.interceptor.jms.onMessageRequestAnalysisRegex	ipattern:(Q ANS).users?(ipattern:(Q ANS).users?)	All Interceptors
com.aurea.ig.interceptor.adm.maxBufferedLogEntries		
com.aurea.ig.interceptor.adm.maxBufferedLogEntries		
com.aurea.ig.interceptor.adm.maxBufferedLogEntries	50	All Interceptors



...nic distributions on
...s are fired

Create views that matter
to you most

Perspective Options

Left Axis: Alert Count

Bottom Axis: Policy

Name: Alerts By Policy

Public Perspective

sort by: most alerts

- alphabetical
- most alerts
- most alarms
- most warnings
- most recent alert

Delete this Perspective Save Cancel

just now	What's happening?	Silver Size	custportal/SelfSer...
just now	Wake up!	Gold	custportal/SelfSer...
just now	Be careful... thing...	Gold	custportal/SelfSer...
just now	Wake up!	Gold	partnergw/Firewall...
just now	Be careful... thing...	Gold	customergw/Order...
just now	Be careful... thing...	Gold	customergw/Order...

Easily identify business transaction issues

Aurea

Easily analyze all associated and audits for the identified transaction

Easily locate business transactions by time or key business values and error conditions

Found 14 Transactions

Trail	Duratic	Start	Matched Fields
7	405...	2013-02-08 10:15:45	Failure_Reason: SOAP fa.
9	405...	2013-02-08 10:15:45	Failure_Reason: SOAP fa.
13	405...	2013-02-08 10:00:40	Failure_Reason: SOAP fa.
14	405...	2013-02-08 10:00:40	Failure_Reason: SOAP fa.
4	405...	2013-02-08 09:57:07	Failure_Reason: SOAP fa.
10	405...	2013-02-08 09:57:07	Failure_Reason: SOAP fa.
1	405...	2013-02-07 22:03:04	Failure_Reason: SOAP fa.
5	405...	2013-02-07 22:03:04	Failure_Reason: SOAP fa.
3	405...	2013-02-07 21:49:50	Failure_Reason: SOAP fa.
11	405...	2013-02-07 21:49:50	Failure_Reason: SOAP fa.
2	405...	2013-02-07 21:47:32	Failure_Reason: SOAP fa.
12	405...	2013-02-07 21:47:32	Failure_Reason: SOAP fa.
6	405...	2013-02-07 21:36:13	Failure_Reason: SOAP fa.
8	405...	2013-02-07 21:36:13	Failure_Reason: SOAP fa.

Recorded Operations

Date Time	Host
2013-02-08 10:15:...	inventorymgmnt
2013-02-08 10:15:...	inventorymgmnt
2013-02-08 10:15:...	localdbstore
2013-02-08 10:15:...	localdbstore
2013-02-08 10:15:...	inventory6
2013-02-08 10:15:...	inventory6
2013-02-08 10:15:...	checkout

OrderMngt OrderService CheckOut 262 SUCCEEDED 40677 200

Track transaction dependency and errors – even in flight!!!

Centrally-defined Interceptor settings

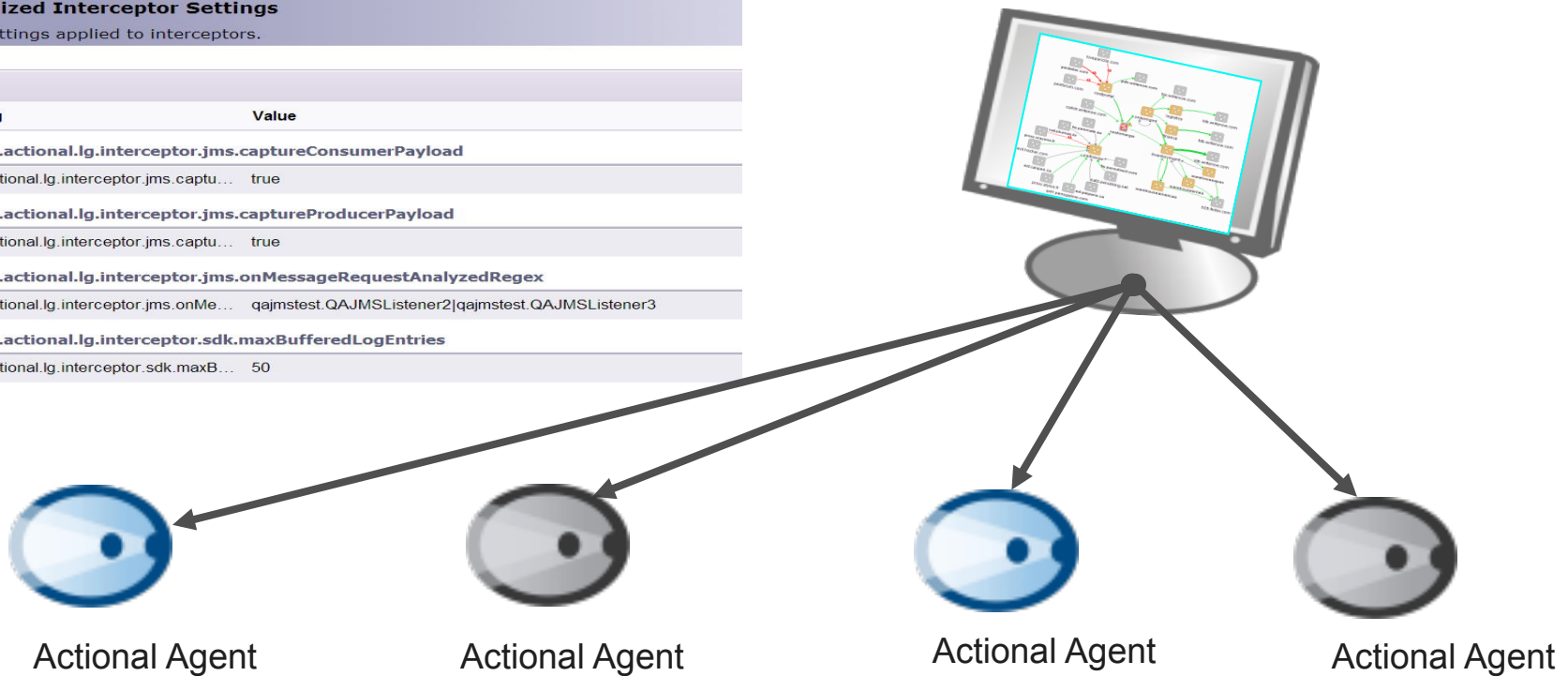
Interceptor Settings

Centralized Interceptor Settings

List of settings applied to interceptors.

Setting	Value
<input type="checkbox"/> com.actional.lg.interceptor.jms.captureConsumerPayload	
com.actional.lg.interceptor.jms.captu...	true
<input type="checkbox"/> com.actional.lg.interceptor.jms.captureProducerPayload	
com.actional.lg.interceptor.jms.captu...	true
<input type="checkbox"/> com.actional.lg.interceptor.jms.onMessageRequestAnalyzedRegex	
com.actional.lg.interceptor.jms.onMe...	qajmstest.QAJMSListener2 qajmstest.QAJMSListener3
<input type="checkbox"/> com.actional.lg.interceptor.sdk.maxBufferedLogEntries	
com.actional.lg.interceptor.sdk.maxB...	50

Actional Management Server



Introduced OAuth & REST support in AI

https://localhost:4443/sst/ x

← → ↻ https://localhost:4443/sst/oauth10/authorize?oauth_token=Yo4

Aurea

Welcome to ACME

Application OAuth 1.0 demo Client wants to access OAuth 1.0 demo Application.
Specify the rights you are willing to grant to it:

- Rights**
- Get Balance
- Withdraw
- Deposit

Credentials

Username

Password

Token Lifetime (seconds):



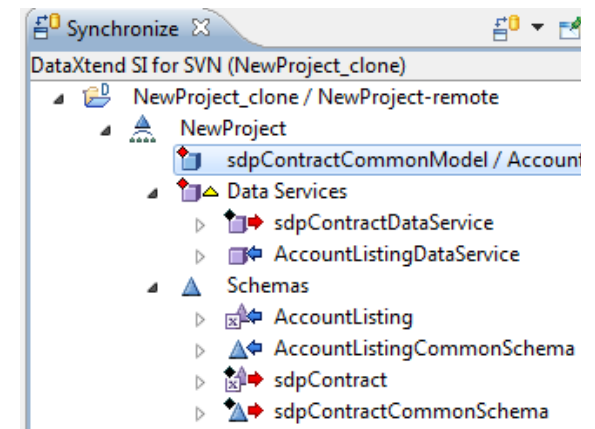
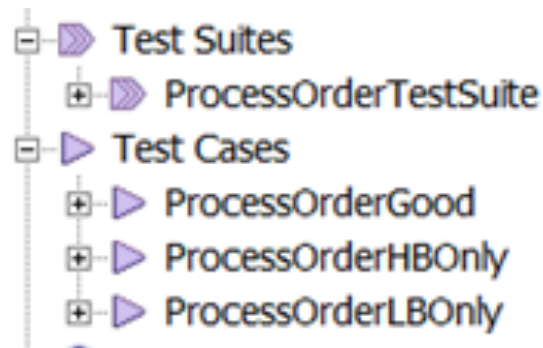
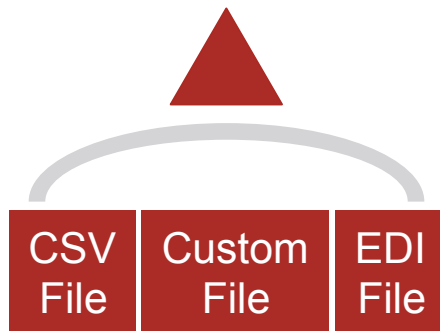
And that's not all...



- Selectable default landing page for AMS
- Updated C++ SDK
- An updated set of Interceptors
 - New LDAP interceptor
 - Many version updates to the existing set

Increase Developer and Team Productivity

Broader file support, simpler change and test case management



Flat-file support

- EDI (including SEF)
- CSV
- Custom!

ACORD/AL3 [ACORD]	EANCOM	HIPAA	NCPDP [TELCO]
AHM780	EDIFACT	HL7	TRADACOMS
IATA/Cargo-IMP [CARGO] and IATA/PADIS [IATA]	Edig@s	NCPDP/SCRIPT [NCPDP]	X12

Custom flat file

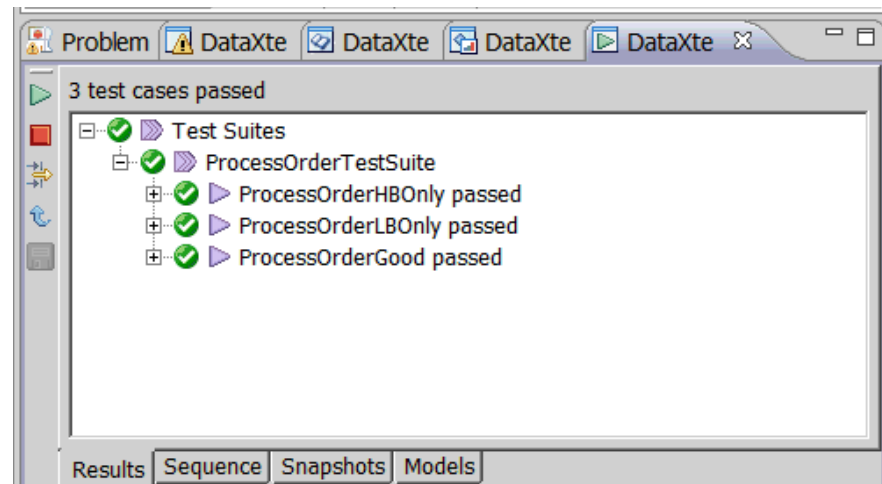
The screenshot displays the Aurea software interface. On the left, a list of items is visible: 1;Bu, Squa, Squa, Squa, 2;Su, Golf, Golf, 3;Bl, Shin, Knee, Ice, Hock, Hock, 4;UF, Fris, Whis, 5;Da, Bowl, Bowl, and Bowling Shoes. The main window shows the configuration for a 'GENERICFlatFileDataSource'. The tree structure includes a 'GENERIC' folder containing a 'generic' folder, which in turn contains 'CUSTOMER', 'EMPTY', and another 'CUSTOMER' folder. The 'CUSTOMER' folder has two attributes: 'CustId (Integer)' with value '23' and 'CustName (String)' with value 'ab'. The 'ITEM (List<ITEM>)' folder is expanded to show 'EMPTY' and 'CUSTOMER (List<CUSTOMER>)'. The 'ITEM' folder has one attribute: 'ItemName (String)' with value 'ab'. A red arrow points from the 'ITEM (List<ITEM>)' folder in the configuration to the 'Runtime Testing' window on the right.

The 'Runtime Testing' window shows the following data structure:

- EMPTY (29)
 - CUSTOMER
 - CUSTOMER (30)
 - CustId = 1
 - CustName = Butternut Squash Inc
 - ITEM
 - ITEM (31)
 - ItemName = Squash Glove
 - ITEM (32)
 - ItemName = Squash Racquet
 - ITEM (33)
 - ItemName = Squash Balls
 - CUSTOMER (35)
 - CustId = 2
 - CustName = Sub Par Golf
 - ITEM
 - ITEM (36)
 - ItemName = Golf Balls
 - ITEM (37)
 - ItemName = Golf Shoes
 - CUSTOMER (39)

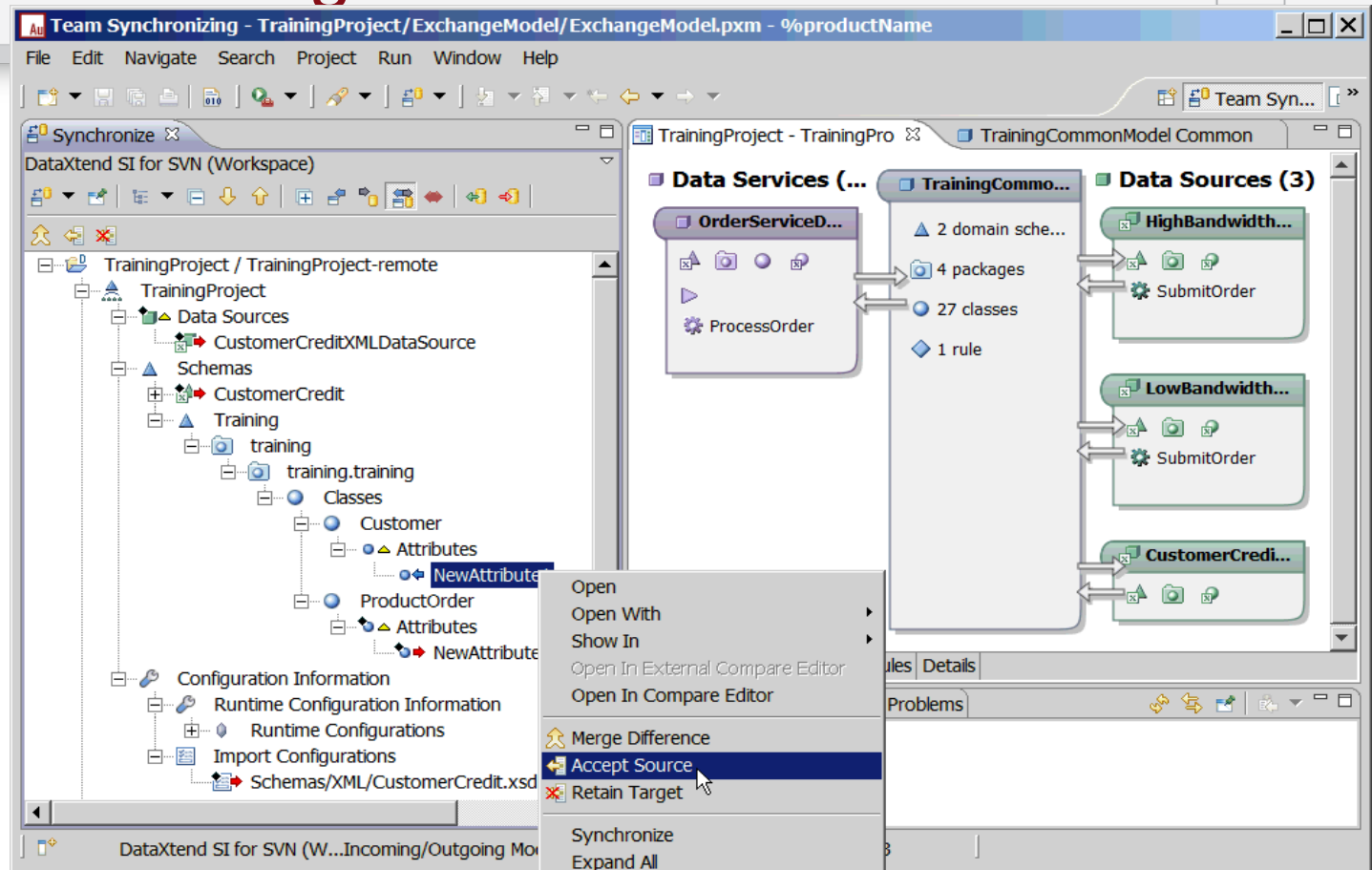
Test Suites

- Define the test cases to be run together in a suite
- Define the order of execution of those tests



Team Synchronizing

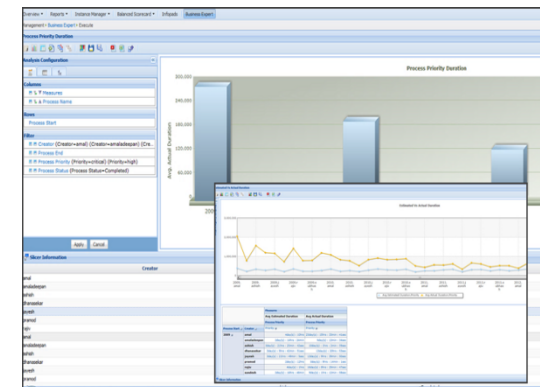
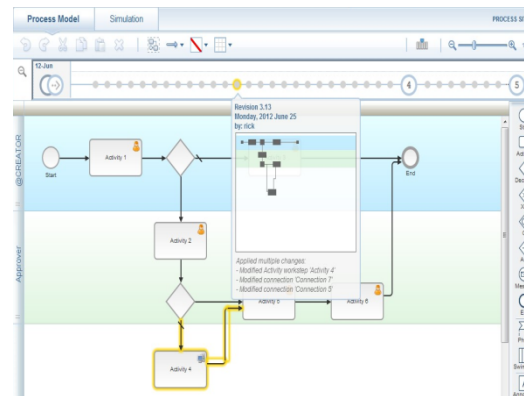
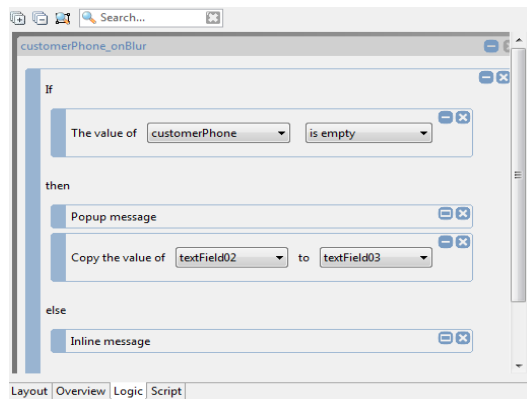
- Use SVN to collaborate
- Resolve conflicts in a familiar way



And that's not all...

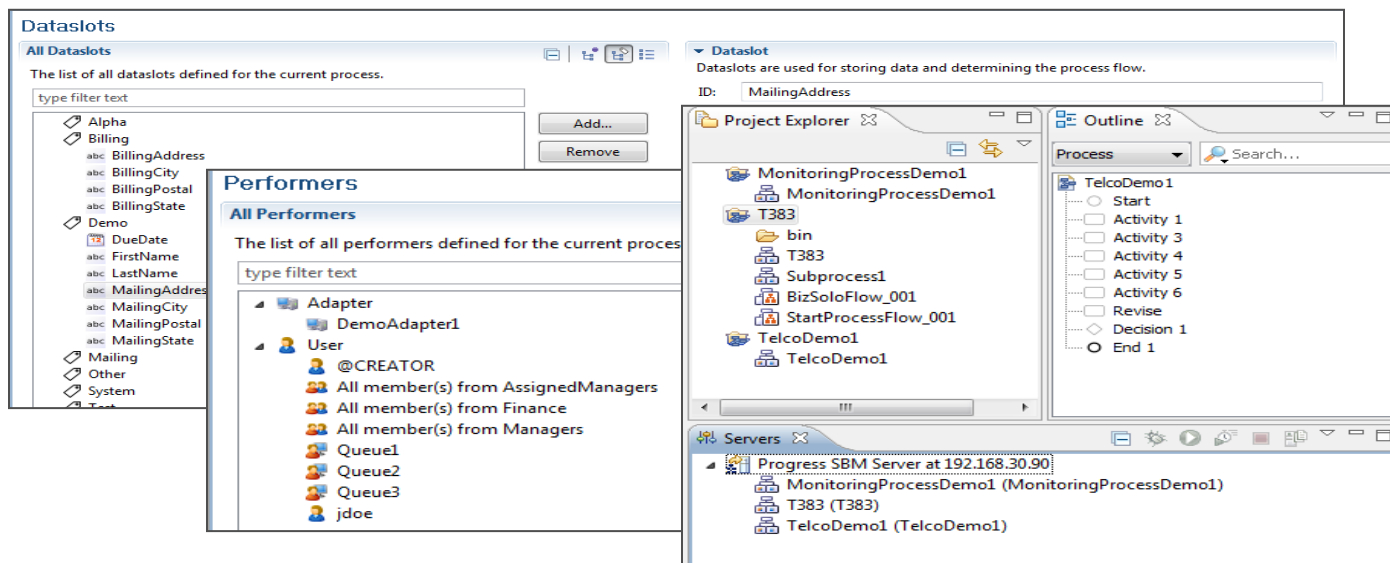
- XSD substitution groups support
- XML sample file import (no XSD)
- Multiple open projects
- Memory management
- Sharing of JARs in deployed data services

Dramatically easier to use – by everyone
Faster development, simpler modeling and simulation
and easier to use business analytics



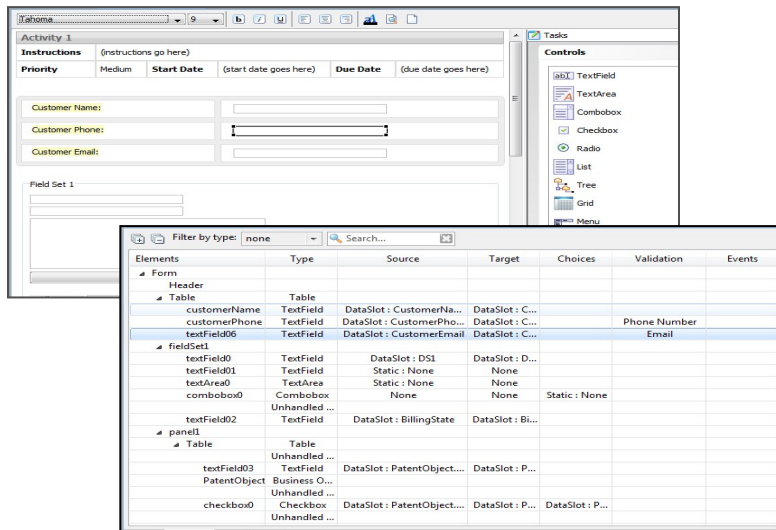
Easier to manage sophisticated projects

- Streamlined for large-scale process design
- Standard features such as search, auto-complete, tagging, etc.
- One-Click Deployment and project hierarchies



BPM success requires rapid implementation

Aurea



- Powerful tools for UI design
- Create dynamic applications without coding
- Optimized for non-technical
- Doesn't restrict advanced users

Build solutions faster

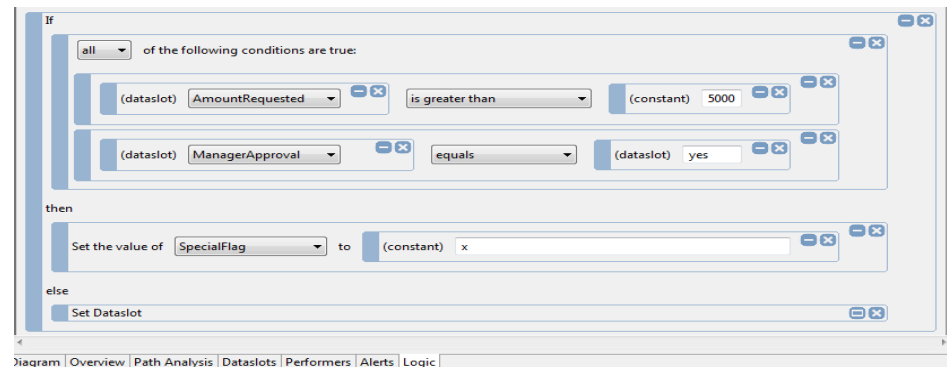
- Custom Logic without Custom Coding.
- Improves development accuracy and productivity.
- Does not limit the potential for highly advanced process design.

Traditional Coding

```
com.savvion.sbm.bizlogic.util.Session session = null;
com.savvion.common.jst.JSTools jst = new
com.savvion.common.gel.JSTools();
Object tmp = null;
java.util.List dsList = gel.toList(new String[]{"AmountRequested",
"ManagerApproval", "SpecialFlag"});
jst.setDatalots(jst.getDataSlotRealValue(dsList));
jst.setDatalotMetadata(jst.getDataSlotMetadata(dsList));

if ((jst.compare("@AmountRequested", ">",
"5000")&&gel.compare("@ManagerApproval", "eq", "yes"))) {
    jst.copy("x", "@SpecialFlag");
} else {
    jst.copy("y", "@SpecialFlag");
}
```

Savvion 2013 with GEL

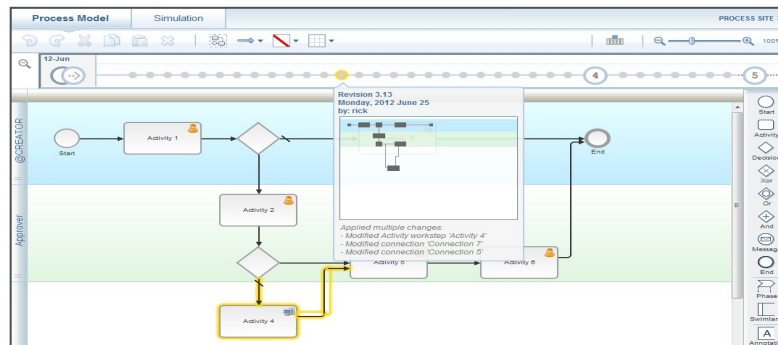


Exchange ideas in real time

Introducing “Process Edge”:

Making BPM accessible to the entire organization

Business Stakeholder and Business Analyst Collaboration Center



- 100% Web based – designed for Cloud.
- Works on iPad and Android tablets.
- Changes seen in real-time by all logged in users.
- Detailed Revision History and Comparison
- Collaboration and Documentation Center
- Simulation on as-is and to-be scenarios.